Sheet 1 of 4FORM PTO-151a
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09/942,388

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R. Czerwiec et al

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(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BAN	5 1 8 1 1 0 6	01/19/93	Sutherland			
BAN	5 1 8 9 6 7 3	02/23/93	Burton et al			
BAN	5 1 9 1 4 5 6	03/02/93	Sutherland et al			
BAN	5 2 8 3 6 7 8	02/01/94	Czerwiec			
BAN	5 3 0 1 0 5 0	04/05/94	Czerwiec et al			
BAN	5 3 0 3 2 2 9	04/12/94	Withers et al			
BAN	5 4 4 6 7 2 6	08/29/95	Rostoker et al			
BAN	5 4 9 5 4 8 3	02/27/96	Grube et al			
BAN	5 5 1 2 9 3 6	04/30/96	Burton et al			
BAN	5 5 1 9 7 3 1	05/21/96	Cioffi			
BAN	5 5 2 1 9 0 6	05/28/96	Grube et al			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BAN	2 2 9 1 3 1 6	01/17/96	GB				
BAN	9 7 1 1 5 3	03/27/97	WO				
BAN	9 5 2 1 4 8 8	08/10/95	WO				
BAN	2 9 6 0 7 3 ⁵⁷	06/20/96	DE				
BAN	9 9 0 3 2 2 1	01/21/99	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

BAN	"Asymmetric Digital Subscriber Line: Interim Technology for the
BAN	Next Forty Years", Kim Maxwell, IEEE Communications Magazine,
	October 1996, pages 100-106

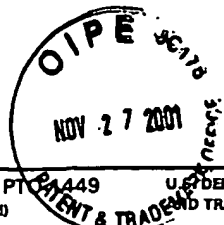
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BQN	5 5 3 3 0 0 8	07/02/96	Grube et al			
BQN	5 5 3 4 9 1 2	07/09/96	Kostreski			
BQN	5 5 3 9 7 7 7	07/23/96	Grube et al			
BQN	5 5 5 7 6 1 2	09/17/96	Bingham			
BQN	5 5 7 2 3 4 7	11/05/96	Burton et al			
BQN	5 5 7 6 8 7 4	11/19/96	Czerwiec et al			
BQN	5 5 8 1 4 7 9	12/03/96	McLaughlin et al			
BQN	5 5 9 4 4 9 1	01/14/97	Hodge et al			
BQN	5 5 9 4 5 7 6	01/14/97	Sutherland et al			
BQN	5 5 9 6 6 0 4	01/21/97	Cioffi et al			
BQN	5 6 0 4 6 8 2	02/18/97	McLaughlin et al			

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	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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BQN	9 7 3 7 4 5 8	10/09/97	WO				
BQN	0 8 3 1 6 2 4	03/25/98	EPO				
BQN	9 8 2 0 7 0 2	05/14/98	WO				
BQN	9 8 3 6 5 4 1	08/20/98	WO				

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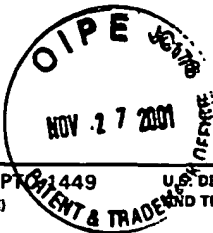
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
BAN	5 6 0 6 5 7 7	02/25/97	Grube et al			
BAN	5 6 0 8 7 2 5	03/04/97	Grube et al			
BAN	5 6 1 2 7 4 2	03/18/97	Krause et al			
BAN	5 6 1 3 1 9 0	03/18/97	Hylton			
BAN	5 6 1 9 5 0 5	04/08/97	Grube et al			
BAN	5 6 2 3 5 1 3	04/22/97	Chow et al			
BAN	5 6 2 3 5 4 3	04/22/97	Cook			
BAN	5 6 2 5 6 5 1	04/29/97	Cioffi			
BAN	5 6 2 7 5 0 1	05/06/97	Biran et al			
BAN	5 6 2 7 8 6 3	05/06/97	Aslanis et al			
BAN	5 6 3 6 1 3 9	06/03/97	McLaughlin et al			

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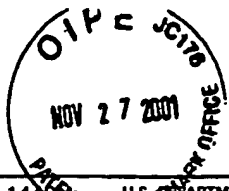
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BAN	5 6 3 6 2 2 4	06/03/97	Voith et al			
BAN	5 6 6 8 8 5 7	09/16/97	McHale			
BAN	5 6 8 7 0 1 4	11/11/97	Czerwiec et al			
BAN	5 7 5 6 2 8 0	05/26/98	Soora et al			
BAN	5 7 9 0 5 4 8	08/04/98	Sistanizadeh et al			
BAN	5 8 1 2 7 8 6	09/22/98	Seazholtz et al			
BAN	5 8 1 8 5 1 1	10/06/98	Farry et al			
BAN	5 8 5 2 6 5 5	12/22/98	McHale et al			
BAN	5 9 0 5 7 8 1	05/18/99	McHale et al			
BAN	5 9 1 0 9 7 0	06/08/99	Lu			
BAN	5 9 2 6 4 7 2	07/20/99	Byers			

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